

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/053589 A1**

(51) International Patent Classification<sup>7</sup>: **A61F 13/36**

(21) International Application Number:  
PCT/IT2004/000643

(22) International Filing Date:  
23 November 2004 (23.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
FI2003A000310 3 December 2003 (03.12.2003) IT

(71) Applicant (for all designated States except US): **MI-CROTECH S.r.l.** [IT/IT]; Via E. Fermi, 6, I-56010 Vicopisano Pisa (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DARIO, Paolo** [IT/IT]; Via Cimabue 3, I-57100 Livorno (IT). **PIETRA-BISSA, Andrea** [IT/IT]; Via Massarenti, 2, I-56124 Pisa

(IT). **MAGNANI, Bernardo** [IT/IT]; Via Provenzal, 53, I-57128 Livorno (IT). **STEFANINI, Cesare** [IT/IT]; Via Tosco Romagnola, 1444, Sant'Andrea a Cascina, I-56021 Cascina Livorno (IT).

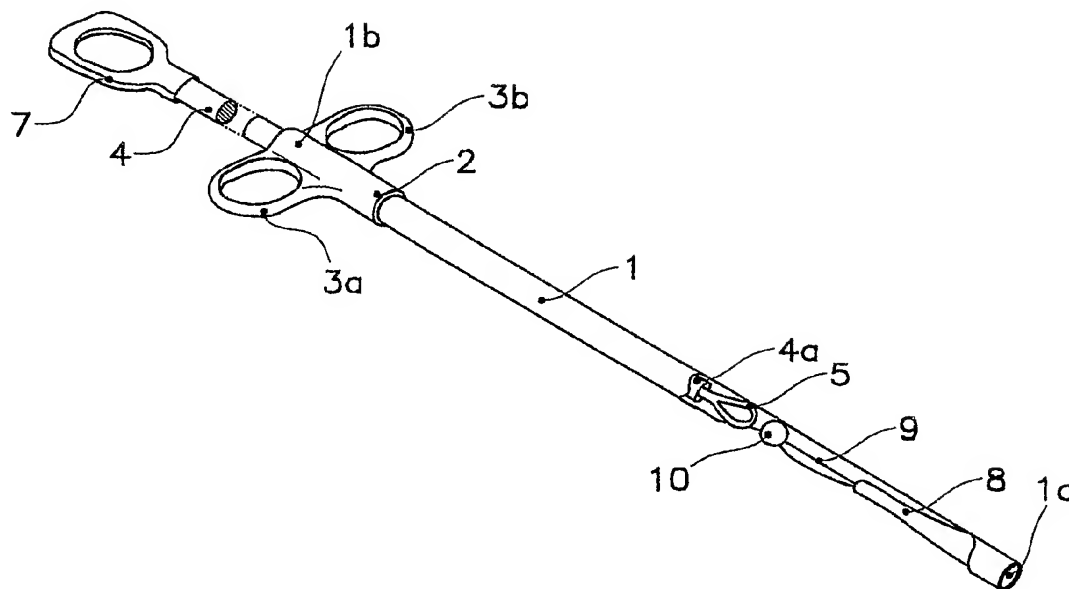
(74) Agents: **BARDINI, Marco, Luigi et al.**; Società Italiana Brevetti S.p.A., Corso dei Tintori, 25, I-50122 Firenze (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: ENDOSCOPIC SURGERY DEVICE FOR THE INSERTION AND RECOVERY OF A HAEMOSTATIC PLUG AT THE SURGICAL SITE



(57) Abstract: An endoscopic surgery device for the insertion and recovery of a haemostatic plug (8) at the surgical site, comprising a tubular body (1), suitable for slidably housing the plug (8), and a plunger (4), slidably engageable in the tubular body (1) to push the plug outside thereof, and place it into the surgical site. The plug is connected to location means (10) of suitable colour, radio-opaque and floating in relation to the internal organs, blood or other liquids present at the surgical site. At the distal end (4a) of the plunger (4) means (5) are provided for gripping the location means to recover the plug after use and retract it within the tubular body.



WO 2005/053589 A1



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.